

a processor and a memory responsive to said terminal and said means for allowing entry for creating a database for a plurality of the retail establishment's customers' transaction data from prior shopping visits, such that data regarding individual customer's prior transactions are stored in association with said individual customer's unique identification code; and

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circuitry responsive to said processor, memory, and database for generating a customer information response signal at the point-of-sale during said individual customer's transaction in said retail establishment upon detection of a unique identification code of said individual customer, said signal being related to said individual customer's transaction data in shopping visits prior to the current shopping visit, and said signal providing information at said point-of-sale terminal derived from said database and useful for effectuating targeted customer promotion.

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9. (Twice amended) A system for accumulating and using customer transaction data at the point-of-sale in a retail establishment comprising:

apparatus for entering unique customer identification codes from customer identification presented at the point-of-sale in said retail establishment;

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a terminal for entering customer transaction data at the point-of-sale in said retail establishment;

a processor and a memory responsive to said apparatus and said terminal for creating a database for a plurality of the retail establishment's customers' transaction data from prior shopping visits, such that data regarding individual customer's prior transactions are stored in association with said individual customer's unique identification code; and

circuitry associated with said memory and responsive to the entry of said individual customer's identification code during a transaction at the point-of-sale, said circuitry being operable to generate a customer information response signal at the point-of-sale representative of

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said individual customer's transaction history prior to the current shopping visit, said signal providing information at said point-of-sale terminal derived from said database and useful for effectuating targeted customer promotion.

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10. (Twice amended) A method for accumulating and using customer transaction data at the point-of-sale in a retail establishment comprising the steps of:  
entering unique customer identification codes from customer identification presented at the point-of-sale in a retail transaction;  
entering customer transaction data;  
E3  
creating a database for a plurality of the retail establishment's customers' transaction data from prior shopping visits, such that data regarding individual customer's prior transactions are stored in association with said individual customer's unique identification code; and  
generating a customer information response at the point-of-sale during said individual customer's transaction in said retail establishment upon detection of a unique identification code of said individual customer, said response signal being related to said individual customer's transaction data in shopping visits prior to the current shopping visit, and said response providing information at said point-of-sale derived from said database and useful for effectuating targeted customer promotion.

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11. (Twice amended) A method for accumulating and using customer transaction data at the point-of-sale in a retail establishment comprising the steps of:  
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entering unique customer identification codes from customer identification presented at the point-of-sale in said retail establishment;  
entering customer transaction data at the point-of-sale in said retail establishment;  
creating a database for a plurality of the retail establishment's customers' transaction data

from prior shopping visits, such that data regarding individual customer's prior transactions are stored in association with said individual customer's unique identification code;

accessing said database in response to the entry of said individual customer's identification code during a transaction at the point-of-sale;

EH determining from said database the transaction history of said individual customer; and

generating a customer information response at the point-of-sale representative of said individual customer's transaction history prior to the current shopping visit, said response providing information at said point-of-sale derived from said database and useful for effectuating targeted customer promotion.

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12. (Not amended) A system according to Claim 8, wherein said circuitry generates said customer information response signal as a function of analysis by said circuitry of said individual customer's transaction data following said detection of said unique identification code of said individual customer.

13. (Not amended) A system according to Claim 9, wherein said circuitry generates said customer information response signal as a function of analysis by said circuitry of said individual customer's transaction data following said entry of said individual customer's identification code.

14. (Not amended) A method according to Claim 10, wherein said generating step includes the step of generating said customer information response as a function of analysis of said individual customer's transaction data following said detection of said unique identification code of said individual customer.

15. (Not amended) A method for providing customer services in a retail establishment, comprising the steps of:

entering into a point-of-sale terminal a unique identification code for a customer;  
entering into said terminal transaction data relating to the customer's shopping transactions;

generating and maintaining a database, including the step of correlating said transaction data with said unique identification code;

responding to entry, during a current transaction, of said unique identification code for a customer by analyzing said transaction data of the customer, including data in said database from prior transactions, with or without data from the current transaction, in order to generate a response which is a function of said data in said database from prior transactions, and by supplying said response to said terminal during said current transaction in which said unique identification code is entered, said response including information for effecting a targeted promotion to the customer.

16. (Not amended) A method for providing services or promotions to customers in a retail establishment, comprising the steps of:

entering into a point-of-sale terminal an account number from a payment instrument presented by a customer, and using said account number as a unique identification code for the customer;

entering into said terminal transaction data relating to the customer's shopping transactions;

generating and maintaining a database, including the step of correlating said transaction data with said unique identification code, said transaction data including data from at least one past transaction of each customer; and

using said database to effect customer services which include targeted marketing and/or

promotions, said using step including the step of analyzing said transaction data of the customer.

17. (Not amended) A computer implemented system for providing a signal at a point-of-sale depending upon a customer's shopping history, comprising:

a terminal for entering, during a transaction, a unique customer identification;

a database storing transaction data from prior transactions for a plurality of customers, such that data regarding a customer's prior transactions are stored in association with an identification of that customer;

circuitry responsive to the entry of said unique customer identification at said terminal during said transaction for transmitting to said point-of-sale during said transaction a customer information response signal; and

wherein said customer information response signal depends upon data stored in said database indicating dollar amount of at least one prior purchase associated with said unique customer identification.

18. (Not amended) The system of claim 17 wherein said customer information response signal depends upon dollar amount of a plurality of prior purchases associated with said unique customer identification.

19. (Not amended) The system of claim 17 wherein said customer information response signal also depends upon a frequency of prior purchases associated with said unique customer identification.

20. (Not amended) The system of claim 17 wherein said terminal can also receive customer transaction data.

21. (Not amended) The system of claim 17 wherein said data regarding said individual customer's prior transactions stored in association with said individual customer's

identification in said database includes transaction frequency and dollar amount.

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22. (Amended) A computer implemented method for providing a signal at a point-of-sale depending upon a customer's shopping history, comprising the steps of:

entering in a terminal, during a transaction, a unique customer identification;

85 storing, in a database, transaction data from prior shopping transactions for a plurality of customers, such that data regarding a customer's prior transactions are stored in association with said an identification of that customer;

transmitting to a point-of-sale during said transaction a customer information response signal in response to the entry of said unique customer identification at said terminal during said transaction; and

wherein said customer information response signal depends upon data stored in said database indicating dollar amount of at least one prior purchase associated with said unique customer identification.

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23. (Not amended) The method of claim 22 wherein said customer information response signal depends upon dollar amount of a plurality of prior purchases associated with said unique customer identification.

24. (Not amended) The method of claim 22 wherein said customer information response signal also depends upon a frequency of prior purchases associated with said unique customer identification.

25. (Not amended) The method of claim 22 further comprising the step of receiving in said terminal customer transaction data.

26. (Not amended) The method of claim 22 wherein said data regarding said individual customer's prior transactions stored in association with said individual customer's

identification in said database includes transaction frequency and dollar amount.

27. (Not amended) A computer implemented system for updating data in a customer database, comprising:

a terminal for entering, during a transaction, a unique customer identification and transaction data for said transaction;

a database storing transaction data for a plurality of customers from prior shopping transactions, such that transaction data regarding prior transactions of a customer are stored in association with identification of that customer; and

circuitry responsive to the entry of said unique customer identification and said transaction data at said terminal for updating transaction data and a dollar amount of purchases associated with said unique customer identification in said customer database.

28. (Not amended) The system of claim 27 wherein said circuitry updates said transaction data associated with said unique customer identification during said transaction.

29. (Not amended) The system of claim 27 wherein said database also stores a date of said transaction.

30. (Not amended) A computer implemented method for updating data in a customer database, comprising the steps of:

entering in a terminal, during a transaction, a unique customer identification and transaction data for said transaction;

storing, in a database, transaction data for a plurality of customers from prior shopping transactions, such that data regarding a prior transactions of a customer are stored in association with identification of that customer; and

updating transaction data and a dollar amount of purchases associated with said unique customer identification in said customer database in response to entry of said unique customer identification and said transaction data at said terminal.

31. (Not amended) The method of claim 30 wherein said circuitry updates said transaction data associated with said unique customer identification during said transaction.

32. (Not amended) The method of claim 30 further comprising the step of storing in said database a date of said transaction.

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33. (Amended) A computer implemented customer database comprising stored transaction data from prior point-of-sale transactions for a plurality of customers, such that data regarding a customer's prior transactions are stored in association with an identification of that customer, said transaction data including:

96      dollar amount of purchases and time period.

34. (Amended) A computer implemented customer database comprising stored transaction data from prior transactions for a plurality of customers, such that data regarding a customer's prior transactions are stored in association with an identification of that customer, said transaction data including:

total dollar amount of purchases purchased during a period of time associated with an identification of a customer.

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35. (Not amended) The database of claim 34 wherein said period of time is one of a day and a week.

36. (Not amended) The database of claim 34 wherein said transaction data further comprises a number of transactions associated with an identification of a customer.

37. (Not amended) The database of claim 34 wherein said transaction data further